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Appl. No. 09/844,568  
312 Amendment dated May 27, 2004  
Reply to Notice of Allowance

**Amendments To Claims**

This listing of claims will replace all prior versions and listings of claims in the subject patent application.

**Listing of Claims**

Claim 1 (currently amended). An interconnect for an electrically driven solid electrolyte oxygen separation device comprising a composition of matter represented by the general formula:



wherein

Ln is La;

A is Sr;

B is Co;

~~$0.3 < x < 0.5$ ;  $0.5 < x' < 0.7$ ;  $0 < x'' < 0.2$ ;~~

~~$0.9 < y < 1.05$ ; and  $0 < y' < 0.1$ ;~~

~~$0.3 \leq x \leq 0.5$ ;  $0.5 \leq x' \leq 0.7$ ;  $0 \leq x'' \leq 0.2$ ;~~

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$0.9 < y < 1.05$ ; and  $0 \leq y' \leq 0.1$ ;

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provided that  $x + x' + x'' = 1$  and  $1.05 > y + y' \geq 1.02$

wherein  $\delta$  is a number which renders the composition of matter charge neutral.

Claim 2 (previously presented): The electrochemical solid-state device of claim 13 wherein the at least one interconnect consisting of a single layer comprises a composition of matter wherein Ln is La.

Claim 3 (previously presented): The electrochemical solid-state device of claim 13 wherein the at least one interconnect consisting of a single layer comprises a composition of matter wherein A is Sr.